



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of: Richard A. Mathies, et al.

Attorney Docket No.: UCALP031

Application No.: 10/540,658

Examiner: Unknown

Filed: June 23, 2005

Group: 1637

Title: METHODS AND APPARATUS FOR
PATHOGEN DETECTION AND ANALYSIS

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on May 31, 2006 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: _____

Valerie Olsen

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
37 CFR §§1.56 AND 1.97(b)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Pursuant to 37 C.F.R. §1.98(a)(2)(i), Applicants have not submitted copies of the U.S. patents and publications. However, the non-U.S. patent literature is being submitted in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.


This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is believed to be filed before the mailing date of a first Office Action on the merits. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any

fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. UCALP031).

Dated: 5/31/06

Respectfully submitted,
BEYER WEAVER & THOMAS, LLP



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Form 1449 (Modified) Supplemental Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty Docket No. UCALP031 Applicant: Richard A. Mathies, et al. Filing Date June 23, 2005	Application No.: 10/540,658 Group 1637
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U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A1	6,408,878	06/25/02	Unger et al.			
	A2	6,623,613	09/23/03	Mathies et al.			
	A3	6,752,922	06/22/04	Huang et al.			
	A4	6,793,753	09/21/04	Unger et al.			
	A5	6,802,342	10/12/04	Fernandes et al.			
	A6	6,829,753	12/07/04	Lee et al.			
	A7	6,885,982	04/26/05	Harris et al.			
	A8	6,899,137	05/31/05	Unger et al.			
	A9	6,929,030	08/16/05	Unger et al.			
	A10	6,951,632	10/04/05	Unger et al.			
	A11	6,953,058	10/11/05	Fernandes et al.			
	A12	6,960,437	11/01/05	Enzelberger et al.			
	A13	7,005,493	02/28/06	Huang et al.			
	A14	D486,156	02/03/04	Lee et al.			
	A15	D488,818	04/20/04	Lee et al.			
	A16	5,376,252	12/27/94	Ekström et al.			

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	B1	0527905	11/22/95	EP				
	B2	EP1065378	04/03/02	EP				
	B3	WO02/043615	06/06/02	WO				

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C1	D.J. Harrison, et al., <i>Micromachining a miniaturized capillary electrophoresis-based chemical analysis system on a chip</i> , <u>Science</u> , 261(5123): 895-897, 1993.
	C2	C.A. Emrich, et al., <i>Microfabricated 384-lane capillary array electrophoresis bioanalyzer for ultrahigh-throughput genetic analysis</i> , <u>Analytical Chemistry</u> , 74(19): 5076-5083, 2002.
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449 (Modified)	Atty Docket No. UCALP031	Application No.: 10/540,658
Supplemental Information Disclosure Statement By Applicant	Applicant: Richard A. Mathies, et al.	
(Use Several Sheets if Necessary)	Filing Date June 23, 2005	Group 1637

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	C3	E.T. Lagally, et al., <i>Monolithic integrated microfluidic DNA amplification and capillary electrophoresis analysis system</i> , <u>Sensors and Actuators B-Chemical</u> , 63(3): 138-146, 2000.
	C4	B.M. Paegel, et al., <i>Microchip bioprocessor for integrated nanovolume sample purification and DNA sequencing</i> , <u>Analytical Chemistry</u> , 74(19): 5092-5098, 2002.
	C5	B.M. Paegel, et al., <i>Microfluidic devices for DNA sequencing: sample preparation and electrophoretic analysis</i> , <u>Current Opinion in Biotechnology</u> , 14(1): 42-50, 2003.
	C6	T. Ohori, et al., <i>Partly disposable three-way microvalve for a medical micro total analysis system (muTAS)</i> , <u>Sensors and Actuators A-Physical</u> , 64(1): 57-62, 1998.
	C7	X. Yang, et al., <i>A MEMS Thermopneumatic silicone rubber membrane valve</i> , <u>Sensors and Actuators A-Physical</u> , 64(1): 101-108, 1998.
	C8	Rolfe C. Anderson, et al., <i>A miniature integrated device for automated multistep genetic assays</i> , <u>Nucleic Acids Research</u> , 28(12): e60, 2000.
	C9	M.A. Unger, et al., <i>Monolithic microfabricated valves and pumps by multilayer soft lithography</i> , <u>Science</u> , 188(5463): 113-116, 2000.
	C10	E.T. Lagally, et al., <i>Fully integrated PCR-capillary electrophoresis microsystem for DNA analysis</i> , <u>Lab on a Chip</u> , 1(2): 102-107, 2001.
	C11	E.T. Lagally, et al., <i>Single-molecule DNA amplification and analysis in an integrated microfluidic device</i> , <u>Analytical Chemistry</u> , 73(3): 565-570, 2001.
	C12	R.A. Mathies, et al., <i>Capillary array electrophoresis bioprocessors</i> , <u>Solid-State Sensor, Actuator and Microsystems Workshop</u> , pages 112-117, Hilton Head Island, SC, USA, 2002.
	C13	W.H. Grover, et al., <i>Monolithic membrane valves and diaphragm pumps for practical large-scale integration into glass microfluidic devices</i> , <u>Sensors and Actuators B</u> , 89: 315-323, 2003.
	C14	C.L. Hansen, et al., <i>A robust and scalable microfluidic metering method that allows protein crystal growth by free interface diffusion</i> , <u>Proceedings of the National Academy of Science</u> , 99(26): 16531-16536, 2002.
Examiner		Date Considered

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